200300181

No.

HIR ONICHED SHAVERS OF ANTERRICA

Seminis Hegetable Seeds, Inc.

DICCES, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANTS. THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOP, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY CARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPOSEMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY ${
m LAW}$, the DEXCLUDE OTHERS FROM SELLING THE VARIETY; OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR NO. IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE REGISE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

BEAN, GARDEN

'Excalibur'

In Testimony Therest, I have hereunto set my hand and caused the seal of the Hunt Buriety Frotestion Office to be affixed at the City of Washington, D.C. this seventh day of December, in the year two thousand and five.

Plant Variety Protection Offic Agricultural Markotina Scro

REPRODUCE LOCALLY, Include			s		Form Approved - OMB No. 0581-0055		
	U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE			The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.			
APPLICATION FOR PLANT (Instructions and information	VARIETY PROTECTION collection burden statemen	CERTIFICATE of on reverse)	Application is re (7 U.S.C. 2421)	quired in order to determine if a ; . Information is held confidential	plant variety protection certificate is to be issued until certificate is issued (7 U.S.C. 2426).		
1. NAME OF OWNER			2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME		TION OR 3. VARIETY NAME M		
Seminis Vegetable	Seeds, Inc.			XP 08190505	Exealibur Blu		
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)				5. TELEPHONE (Include are	e code) FOR CERCIAL USE ONLY		
2700 Camino del So				805 647 1572	PVPO NUMBER		
Oxnard, CA 93030-7					<u> </u>		
				6. FAX (include area code)			
	,			805 918 2545	FILING DATE		
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partmership, association, etc.) 8. IF INCORPORATION STATE OF INCO			TED, GIVE	9. DATE OF INCORPORATE	ON 2/1/222		
Corporation	, assessment ency	California	APORATION	04-Jun-1962	3/11/2003		
10. NAME AND ADDRESS OF OWNER REP	RESENTATIVE(S) TO SERVE IN TI			icelve all papers)	FILING AND EXAMINATION FEES:		
Sharen Chaffin Seminis Vegetable Seeds	: Inc	Marcel Br Seminis \	uins /egetable Se	eds Inc			
37437 State Hwy 16	, 110.	Nude 540)	,	3656.00		
Woodland CA 95616		6702 DN	Wageningen edands	1	R DATE 3/07/2003		
		mbruins@	svseeds.nl		CERTIFICATION FEE:		
		Ph: 31 31	17 450218 I	Fax: 31 317 450217	D		
					DATE 9/09/2005		
11. TELEPHONE (Include area code) 12. FAX (Include area code) 13. E-MA			V. O	14. CROP KIND (Common Name)			
530 669 6172 530 666 4426			snaren.cnar	fin@seminis.com	Garden bean		
15. GENUS AND SPECIES NAME OF CROP Phaseofus vulgaris		1	AILY NAME (Bolanic	a)	17. IS THE VARIETY A FIRST GENERATION HYBRID?		
			eguminosae Pres No				
18. CHECK APPROPRIATE BOX FOR EACH reverse)		w instructions on			OF THIS VARIETY BE SOLD AS A CLASS OF the Plant Variety Protection Act)		
 a. Exhibit A. Origin and Breeding b. Exhibit B. Statement of Distinct 	•						
c. Exhibit C. Objective Description	•						
d. Exhibit D. Additional Description e. Exhibit E. Statement of the Bas							
	ntreated seeds or, for tuber propaga I be deposited and maintained in an	sted varieties, approved public					
,	705), made payable to "Treasurer of Protection Office)	f the United					
— Suits (Mario (14) Plant Variety	Protection Cincer						
22. HAS THE VARIETY (INCLUDING ANY HAI FROM THIS VARIETY BEEN SOLD, DISP OTHER COUNTRIES?	EVESTED MATERIAL) OR A HYBR	ID PRODUCED					
OTHER COUNTRIES?	T NO	MED AN THIS OLD, OR					
IF YES, YOU MUST PROVIDE THE DAYS FOR EACH COUNTRY AND THE CIRCUIT	OF FIRST SALE, DISPOSITION, T	RANSFER, OR USE	لتست	YES SE GIVE COUNTRY, DATE OF	FILING OR ISSUANCE AND ASSIGNED noticeted on reverse.)		
The owners declare that a viable sample of for a tuber propagated variety a tissue culti-		-					
for a luber propagated variety a tissue cult. The undersigned owner(s) is(are) the owner and is entitled to protection under the provi-	re will be deposited in a public repo r of this sexually reproduced or tube storu of Section 42 of the Plant Vari	ository and maintained for or propagated plant varie sty Protection Act.	or the duration of the ty, and believe(s) th	certificate. at the variety is new, distinct, un	form, and stable as required in Section 42,		
Owner(s) is(are) informed that false represe							
IGNATURE OF OWNER	Min		SIGNATURE OF (OWNER			
AME (Please print or type) Sharen Chaffin			NAME (Please pri	ni ar type)			
APACITY OR TITLE	DATE		CAPACITY OR TO	rle	DATE		

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,705 (\$320 filing fee and \$2,385 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$320 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

ITEM

18a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method:
- (2) the details of subsequent stages of selection and multiplication;

(3) evidence of uniformity and stability; and

- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop, if the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103),
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
 - US: 4/5/02 sold with label marked "For Experimental Use."
- 23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089. http://www.ams.usda.gov/isg/seed/is-sd.htm

According to the Paperwork Reduction Act of 1995, an egency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this collection of information is (081-0055). The time required to complete this information collection is estimated to everage 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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S&T-470 (04-01) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces STD-470 (02-99) which is obsolete.

EXHIBIT A

The Origin and Breeding History of 08190505 'Excelbor'

MH-8111/2005

08190505 was developed by pedigree selection at the Seminis Pea and Bean Breeding Station in Twin Falls, ID from a population derived from a cross between "Magnum" as the female parent and "Minuette" as the male parent.

The "Magnum" used in this cross should not be confused with "Magnum", a Kentucky Wonder variety that was developed and marketed in the United States by Seminis Inc. Pop Vriend, a European seed company, briefly market "Magnum" (the seed parent used in the original cross) in Europe. Harris Moran Seed Company developed and marketed "Minuette".

02/03/93: Pots of Magnum (PV) (GH # 85) and pots of Minuette (GH # 82) were planted and used for crosses.

06/93: Six F1 seed from the cross was planted and the F2 seed was bulk harvested under the stake number R934700-1842.

06/94: 220 grams of seed harvested under the stake number R934700-1842 was planted under the stake number R94 6010. Eleven single plants were selected.

06/95: 65 seeds of a plant selected under the stake number R94 6010, were planted under the stake number R95 7093. Five plants were selected for the Italian Fresh Market because of their glossy pods.

06/96: Seed of R95 7093.01 was planted as stake R96 13458 and five F4 plants were selected based upon a glossy pod color. The plants selected differed by pod length.

06/97: Seed harvested from R96 13458.03 was planted under the stake number R97 11527. Three plants were selected for the "Flexo" market in Europe and the Mid East.

06/98: Seed harvested from R97 11527.02 was planted under the stake number R98 12349. According to the notes the line was bulked because it was breeding uniform and true. The line was selected as a Flexo type with very dark pod color and a medium to high luster that would also be evaluated in Oregon because of the pod length.

05/28/99: Seed of R98 12349 was planted under the stake number RWK 405. Crop RWK 405 was determined to be uniform and stable.

'Excalibur'

It was determined that 08190505 was uniform and stable within commercially acceptable limits. As is true with other garden beans, a small percentage of variants can occur within commercially acceptable limits for almost any characteristic during the course of repeated multiplication. However, no variants were observed during the two years in which 08190505 was observed for uniformity and stability.

MAH 8)11/2005

The selection criteria during the early generations of breeding history of 08190505 was based on a balance of productivity and pod quality required for the Italian Fresh Market segment. In the higher generations, the selection criteria was based upon an excellent yield of smooth, straight, very dark, pods with a medium luster. The line was advanced to meet changing processing whole pod markets in the Pacific Northwest.

EXHIBIT B

Novelty Statement Concerning 08190505 Excal bur

M94 8/11/2005

08190505 is a dual purpose Snap Bean variety developed by pedigree selection. To our knowledge, the variety that most closely resembles 08190505 is "Labrador", which was marketed and developed by Seminis for the cut and frozen processing markets. The comparative characteristics that most readily distinguish the two varieties include (but may not be limited to): pod appearance and sieve distribution. Labrador has a dull medium dark green color, whereas 08190505 has very dark green color with a medium luster. 08190505 produces a smaller average sieve size distribution than Labrador with fewer pods in the 5 sieve range at a comparable seed development. (see Table 1.)

08190505 was never compared to Magnum from Pop Vriend because Magnum was never marketed in the United States. Because Magnum was never marketed, the variety was not planted in our observation/PVP trial.

08190505 was compared in PVP trials to Labrador at the Seminis Research Station in Twins Falls, ID during the 2002 growing season. The results are shown in Table 1.

Table 1. Trial results from Twin Falls, ID, 2002

	1		Pod	Ī .	%	%	- %	10 seed	Largest
]	Days to	Heat	Length	Yield	Sieve	Sieve	Sieve	Length	%
Cultivar	Harvest	Units	(inches)	(lbs/ac)	1,2,&3	4's	5's	(mm)	Fiber
08190505	71	1438	5.3	8234	44	50	6	100	.02
Labrador	72	1460	5.5	5870	27	46	27	99	tr

EXHIBIT B. Statement of Distinctness

Color Difference Claims asserted in Exhibit B are supported by the values detailed in Table 1. The RHS color chart values support that 08190505 is deeper green color versus that of the cultivar "Labrador".

Table 1. Royal Horticultural Society Colour Chart values for 08190505 and Labrador at 2 locations. 2003

WHEN THEN WHOL BE	A IVUITUUS: 2003	
Cultivar / Line	Twin Falls, ID 2003	DeForest, WI 2003
08190505	139C	139B
Labrador	138B	138B

EXHIBIT C. Objective Description of the Variety

Conflicting information between Exhibit C and Exhibit B is detailed in Table 2. Sieve size information, as does days to harvest, varies from year to year for all lines depending on the rate of heat unit accumulation, moisture patterns and other environmental conditions. Additionally, the percentages of each sieve size will also vary depending on the percent seed development at the time of harvest. Though we attempt to use 8 % seed (by processed weight) in our research, a standard commercial harvest may occur anywhere from 5% up to 11% seed.

What remains most consistent is that some cultivars produce relatively more of certain sieve sizes than others do. The comparison of Labrador and 08190505 (Table 3) taken from Exhibit B, was obtained in a trial designed to explore and contrast the relative sieve size distribution of these two lines. Exhibit C information was obtained in a separate trial focused on descriptors. The conflicting information detailed in Table 2 reflects the natural variability one might expect across different evaluations. The concentration of pods in sieve size 1-4 (100% and 94%) is actually quite consistent for 08190505.

Excelil MAH 8/11/05

Table 2. Sieve size information gathered for PVP application of 08190505, 1999, 2002.

PVP Section	% Sieve Sizes 1,2,3	% Sieve Size 4	% Sieve Size
Exhibit C	75	25	0
Exhibit B	44	50	6

Table 3. Trial results comparing Labrador and 08190505 at Twin Falls, ID. 2002

Cultivar	Days to Harvest	Heat Units	Pod Length (inches)	Yield	% Sieve	% Sieve	% Sieve	10 seed Length	Largest
08190505	71	1438	5.3	(lbs/ac) 8234	1,2,&3 44	. 4's 50	5's 6	(mm) 100	Fiber .02
Labrador	72	1460	5.5	5870	27	46	27	99	tr

AGRICULTURAL MARKETING SERVICE— SCIENCE AND TECHNOLOGY DIVISION PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY

GARDEN BEAN (Phaseolus vulgaris L.)

NAME OF APPLICANT	r(s)				F	OR OFFICIAL USE	A
Seminis Ve	getable Seeds,	Inc.			1		TRIP
ADDRESS (Street and N	lo. or R.F.D. No., City, State, and	Zip Code)			PVPO N	UMBER O O U	a v a j
2700 Camin Oxnard, CA	o del Sol 93030-7967				Ì	YNAME Excalibur	mau Biklo
					TEMPOR DESIGNA	ARY OR EXPERIMENT	'AL
<u> </u>				i	08	190505	
ou a minimum of 100 blan	TRUCTIONS CAREFULLY: ax (c.g.	letermined from varieties recognized color standars	s entered in	the same trial. Mea-	sured data	ititative plant characters s	hould be based LANTS. Ranges
1 2. MARKET MATU	1 = Garden	2=Snap 3=	Flageole	et 4 = Roma	ID O		
2. MARKET MATU	RITY:			Compar	ison yari	ofing i	
7 0	Days to edible	pods					
1 3 8	7 Heat units to	dible pods		l='Tendercrop'	;	2='Kentucky Wonde	r¹
	Number of da	ys earlier than		='Goldrush'	•	4='Slenderette'	
	Same num	ber of days as	- -	='Gitana'	•	6='Provider'	
0 1		L Slater than	8 7	='Bush Blue Lak		General (Specify below Labrador)	w)
3. PLANT:				· · · · · · · · · · · · · · · · · · ·			
0 6	cm Spacing bet	ween plants in a row	Y				
1	Habit	I=Determinate					•
	•	2=Indeterminate, 6 3=Indeterminate w	erect ster vith weak	n and branches Land prostrate s	tem and l	hranebas	
	cm Height	4=Indeterminate c	limbing l	abit with weak,	long and	twisted stem and br	anches
4.2.0	_					Ť	
0 3	cm Shorter than	8	1				
•	Same height as					•	
<u> </u>	cm Taller than	i i				•	
4 6	cm Spread	L_1	Us	e <u>Comparison V</u>	<u>arieties</u> f	rom Section 2.	
RA	cm Narrower than		Ple	ase make ali 3 co	omparisc	ons for	
•	Same width as		rie	ight and Spread.	>		
0 1	cm Wider than	3 J	<i>)</i>				7
							i

	ANT: (continued)			2003001	04	,
	3	Pod position	1=Low 2=High 3=	-Scattered	200000		
	1	Bush form (i	llustrated below)				
nderster en gester							
-	1=Spherical bu	ish form	2=Stem bush form	3=Wide t	oush form	4=High bush fore	11
		5=Oti	ner (SPECIFY)		·	•	
4. LEA	VES:						· · · · · · · · · · · · · · · · · · ·
	3	Surface:	1=Dull 2=Glossy	3=Intermediate	e		
	2	Size:	1=Small ('Gitana')	2=Medium 3	3=Large ('Tendercrop	')	
	3	Color:	1=Light green (as light	or lighter than 'Go	ldrush')		
			2=Medium green 3=Dark green (as dark	or darker than 'Bu	sh Blue Lake 290')		
5. ANT	HOCYANIN PI	GMENT:	1=Absent 2=Prese	nt		· · · · · · · · · · · · · · · · · · ·	
.[Flowers	:	1 Stems	Ī	1 Pods	1 s	Seeds
-					_		
1	1 Leaves		1 Petioles	1 F	eduncles :	1 Nodes	
6. FLOV	1 Leaves	ND DAYS TO		1 F	eduncies	1 Nodes	·
	WER COLOR A	ND DAYS TO	BLOOM:	<u>L±1</u>	eduncles	1 Nodes	<u> </u>
	WER COLOR A			<u>L±1</u>	eduncles	1 Nodes	·
	WER COLOR A Color Color	of standard	BLOOM:	hoices 2=Cream	eduncles	1 Nodes	
	WER COLOR A Color Color Color	of standard	BLOOM: Flower Color C 1=White	hoices 2=Cream 4=Lilac 6=Blue	eduncies	1 Nodes	
	Color Color Days (edible maturit	of standard of wings of Keel to 50% bloom	BLOOM: Flower Color C 1=White 3=Pink 5=Purple	hoices 2=Cream 4=Lilac 6=Blue	eduncles	1 Nodes	
[[[7. PODS	WER COLOR A Color Color Days Days	of standard of wings of Keel to 50% bloom y):	ELOOM; Flower Color C 1=White 3=Pink 5=Purple 7=Other (SPEC)	hoices 2=Cream 4=Lilac 6=Blue IFY) or lighter than 'Produm green or darker than 'Bus	vider')	1 Nodes	
T. PODS	WER COLOR A Color Color Days (edible maturity Exterior (ffest)	of standard of wings of Keel to 50% bloom y):	Flower Color C I=White 3=Pink 5=Purple 7=Other (SPEC 1=Light green (as light of the color of t	hoices 2=Cream 4=Lilac 6=Blue IFY) or lighter than 'Produm green or darker than 'Bus	vider')		

Hilar ring

Hilar Ring Color

1=Absent

2=Present

9=Blue 10=Black 11=Other (SPECIFY)_

1=White 2=Yellow 3=Buff 4=Tan 5=Brown 6=Pink 7=Red 8=Purple

9SEED-SHAPE-AND-SIZE:			0030018 Thibit C	(Garden Bean) Page
1 Hilum view	1=Elliptical	2=Oval		
3 Cross section	· . <u>-</u>	Oval 3=Cordate	3=Round	
Side view	I=Oval to Oblong	2=Round	3=Reniform	·
2 1 gm/100 Seed			·	
gm/100 Seed light gm/100 Seed s gm/100 Seed heav	ame as	· >	rison Varieties from Section 2. e all 3 comparisons.	
	Not Tested 1 = Susc ASE SPECIFY RACE OF	eptible 2 = Resistan R STRAIN WHERE AP	t 3 = Intermediate 4 = '	Tolerant
<u> </u>	lletotrichum lindemuthian		1	
Race CO-Race I	2 Gene	Race Beta Race Epsilon specify race	Race Gamma Race Lambda	
Race 38 Race 45 Race 51 Race 59	Race 39 Race 46 Race 52 specify race	Race 40 Race 49 Race 54	Race 44 Race 50 Race 56	
	(Fusarium solani f. sp. j	haseoli)		
				
		-		
<u></u>			75)	m

	CUBLO 6 - B
10. DISEASE RI	ESISTANCE: (continued) Exhibit C (Garden Bean) Fig. 200300181
, 1	Bacterial Brown Spot (Pseudomonas syringae pv. syringae)
0	Common Bacterial Blight (Xanthomonas campestris pv. phaseoli)
2	Halo blight (Pseudomanas syringae pv. phaseolicola)
	X Race 1 Race 2 Other (SPECIFY)
. 0	Clover Yellow Vein Virus (CYVV)
2	Bean Common Mosaic Virus (BCMV)
	BV1 NY15 NL2 X NL3
	NL4 NL8 Florida Idaho
	Mexican Western Type
	Other (SPECIFY)
0	Yellow Bean Mosaic Virus (BYMV)
0	Curly Top Virus (BCTV)
	Other (Specify Disease and Race or Strain)
11. INSECT RES	STANCE: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant
0	Aphid Root Knot Nematode
0	Leafhopper O Seed Corn Maggot
0	Lygus O Thrips
0	Pod Borer 0 Weevils
	Other (SPECIFY)
12. PHYSIOLOGI Tolerant	CAL RESISTANCE: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 =
	Heat Cold Drought
	Air Pallution Course
	Other (SPECIFY)
13. COMMENTS:	•

REPRODUCE LOCALLY include form number and edition gate on al	TRANSPORTED ON No. 0581-0055
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to determine it's plant variety protection certificate is to be issued (7.0.5.C. 2421). The information is field confidential until the certificate is issued (7.0.8.C. 2426).
1. NAME OF APPLICANT(S) Seminis Vegetable Seeds, Inc.	2. TEMPORARY DESIGNATION S. VARIETY NAME OR EXPERIMENTAL NUMBER XP. 08190505 Ex. ca. 1- 000 8 11- 05
4: ADDRESS (Steet cords, or R.F.D. Ro., Cay State, and ZIP, etc Correy) 2700 Camino del Sol Oxnard, CA : 93030-7967	5. TELEPHONE process area pode) 6: FAX process area code) 805 647: 1572 805 918 2545
	200300181
8. Does the applicant own all rights to the variety? Mark an "X" in th 9. Is the applicant (individual or company) a U.S. National or a U.S. to	
10. Is the applicant the original owner? VES NO	If no, please answer <u>one</u> of the following:
a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?
YES NO	If no, give name of country
b. If the original rights to variety were owned by a company(ies),	is (are) the original owner(s) a U.S. based company?
YES NO	If no, give name of country
11. Additional explanation on ownership (if needed, use the reverse if The variety named in this application was developed by named below. By agreement between employee and S discovery, or development made by an employee are a discovery, or development are retained by the employee	the Seminis Vegetable Seeds, Inc., employee (breeder) Seminis Vegetable Seeds, Inc., all rights to any invention, ssigned to the Company. No rights to such invention.
Employee (Breeder): George Kotch Site	Location: Twin Falls, ID
PLEASE NOTE:	
Plant variety protection can only be afforded to the owners (not license	-
 If the rights to the variety are owned by the original breeder, that pe national of a country which affords similar protection to nationals of 	rson must be a U.S. national, national of a UPOV member country, or the U.S. for the same genus and species.
If the rights to the variety are owned by the company which employ nationals of a UPOV member country, or owned by nationals of a c genus and species.	ed the original breeder(s), the company must be U.S. based, owned by ountry which affords similar protection to nationals of the U.S. for the same
3. If the applicant is an owner who is not the original owner, both the $\boldsymbol{\sigma}$	riginal owner and the applicant must meet one of the above criteria.
The original breeder/owner may be the individual or company who direct for definitions.	ected the final breeding. See Section 41(a)(2) of the Plant Variety Protection
	nd a person is not required to respond to a collection of Information unless it displays a valid OMB The time required to complete this information collection is estimated to average 6 minutes per althering and maintaining the data needed, and completing and reviewing the collection of information.
The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs on the marital or family status. (Not all prohibited bases apply to all processes). Paragraphy of the billion of the prohibits of the billion of	basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, or ies who require alternative means for communication of program information (braille, large print,